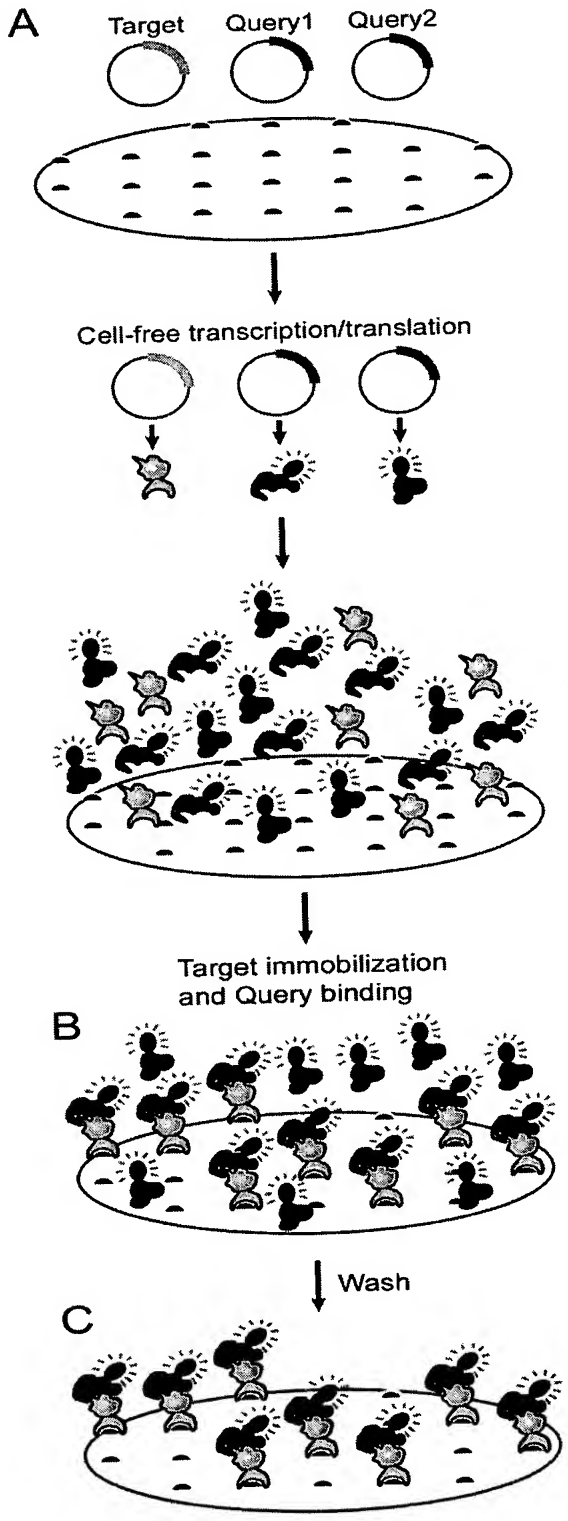
A
Target
Query1
Query2
Cell-free transcription/translation
Target immobilization
and Query binding
B
Wash
C

FIG. 1

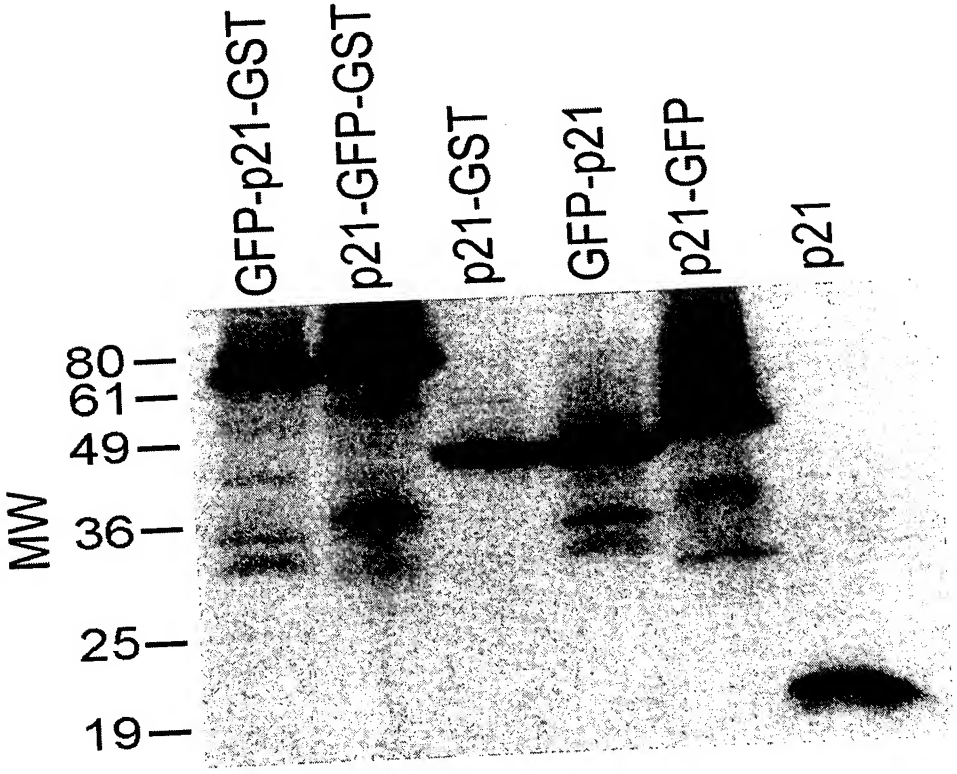
GFP-p21-GST
p21-GFP-GST
p21-GST
GFP-p21
p21-GFP
p21
MW
80
61
49
36
25
19

FIG. 2

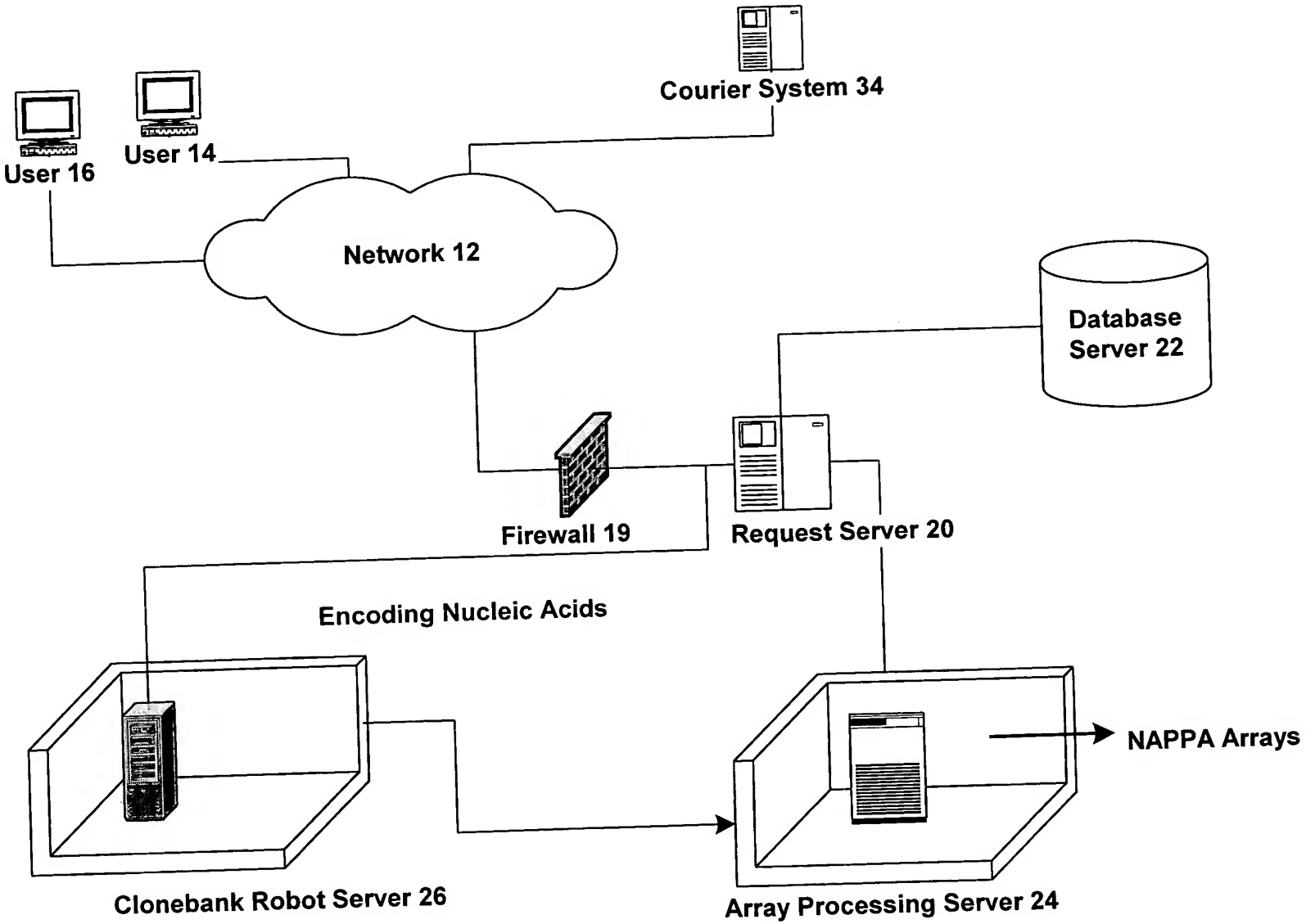
Courier System 34
User 16
User 14
Network 12
Database Server 22
Firewall 19
Request Server 20
Encoding Nucleic Acids
NAPPA Arrays
Clonebank Robot Server 26
Array Processing Server 24

FIG. 3

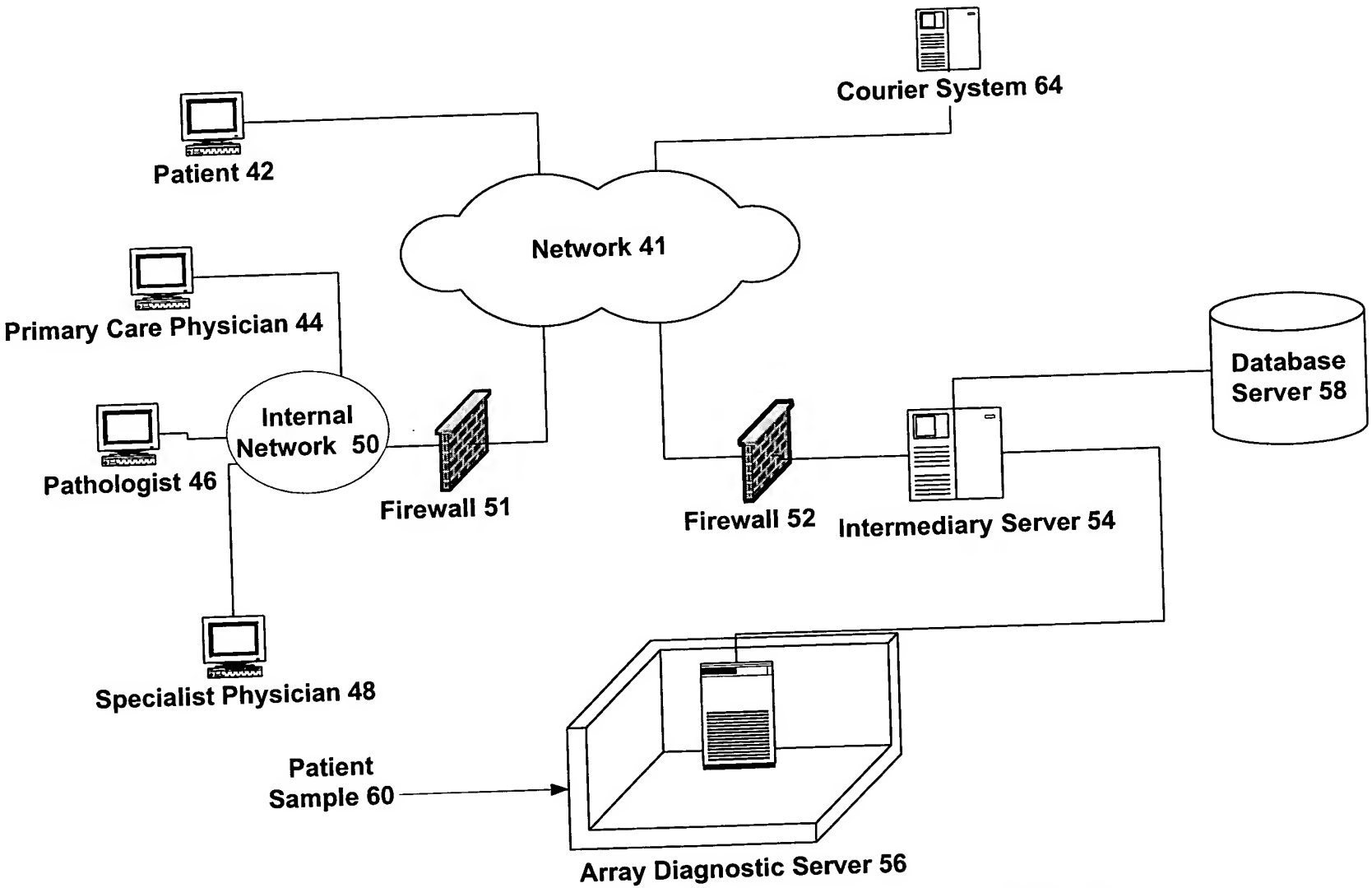
Courier System 64
Patient 42
Network 41
Primary Care Physician 44
Database Server 58
Internal Network 50
Pathologist 46
Firewall 51
Firewall 52
Intermediary Server 54
Specialist Physician 48
Patient Sample 60
Array Diagnostic Server 56

FIG. 4

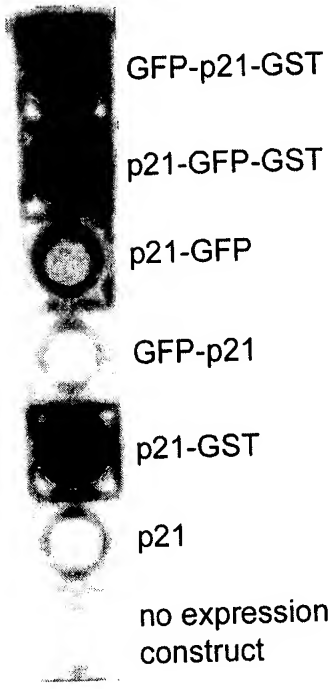
GFP-p21-GST
p21-GFP-GST
p21-GFP
GFP-p21
p21-GST
p21
no expression construct

FIG. 5

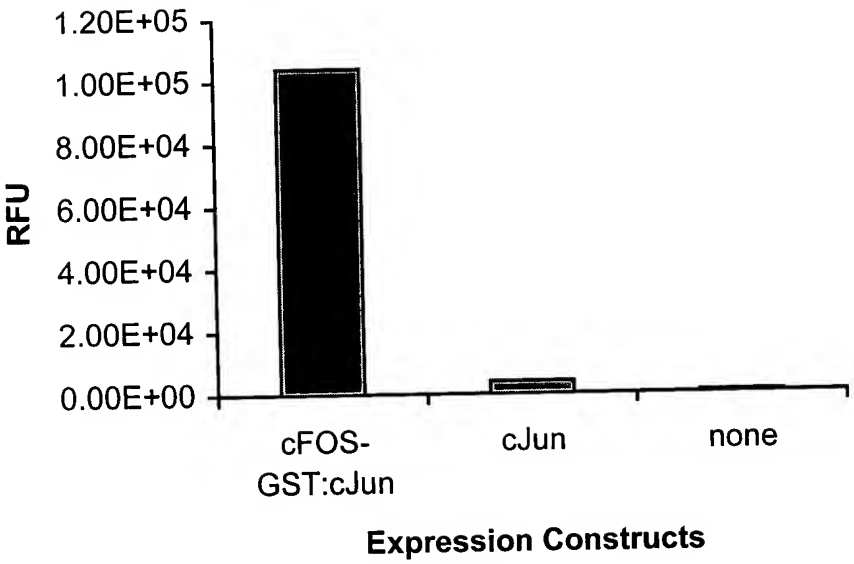
1.20E+05
1.00E+05
8.00E+04
6.00E+04
4.00E+04
2.00E+04
0.00E+00
RFU
cFOS-GST:cJun
cJun
none
Expression Constructs

FIG. 6